

**IN THE CLAIMS:**

1-28. (Canceled)

Sub 3/15/14  
29. (Currently amended) A method for protecting a mammal against neosporosis, comprising administering to the mammal a vaccine comprising an immunologically effective amount of an homogenate, wherein said homogenate comprises a whole cell preparation of *Neospora* tachyzoites which is prepared from cells of by homogenizing or disrupting said *Neospora* tachyzoites and is free of viable tachyzoites, which and wherein said homogenate is capable of inducing a protective response against neosporosis in a mammal and a veterinarily acceptable carrier.

30. (Original) The method of claim 29, wherein the species of *Neospora* from which the homogenate is prepared is *N. caninum*.

31. (Original) The method of claim 29, wherein the vaccine is capable of inducing the production of antibodies that recognize one or more antigenic components present in an homogenate of cells *N. caninum* strain NC-1.

32. (Canceled)

4 33. (Currently amended) The method of claim 32 <sup>2</sup>30, wherein the strain of *N. caninum* from which the homogenate of the vaccine is prepared is NC-1.

34. (Canceled)

5 35. (Original) The method of claim 29<sup>1</sup>, wherein the vaccine further comprises one or more additional immunomodulatory components.

6 36. (Original) The method of claim 35<sup>5</sup>, wherein the additional immunomodulatory component is an adjuvant.

7 37. (Original) The method of claim 35, wherein the additional immunomodulatory component is a cytokine.

8 38. (Original) The method of claim 29, wherein the vaccine is administered to a mammal of a species selected from the group consisting of dogs, cows, goats, sheep and horses.

39-53. (Canceled)

54. (Currently amended) The method of claim 29, wherein said homogenate is made by homogenizing or disrupting ~~cells of~~ *Neospora tachyzoites* by freeze-thawing, osmotic bursting, grinding, sonication, use of a polytron, blender, or tissue homogenizer, or a combination thereof.

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3/15/04